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## DESCRIPTION

SIGNAL PROCESSING APPARATUS AND METHOD, RECORDING MEDIUM,  
AND PROGRAM

*MDS 12805* *This application is a 371 of PCT/JP03/02948 03/13/03*  
 FIELD OF THE INVENTION

The present invention relates to a signal processing apparatus and method, a recording medium and a program, and more particularly, to a signal processing apparatus and method, a recording medium and a program each of which is capable of accurately calculating a remaining amount of a tape on and from which information is to be recorded and reproduced.

## BACKGROUND ART

15 The remaining recordable or reproducible amount of a magnetic tape used in a tape magnetic recording/reproducing apparatus such as a VTR (Video Tape Recorder), a camcorder or an AIT (Advanced Intelligent Tape) backup system is generally calculated on the basis of the length of the magnetic tape which is currently wound on either one of a reel from which the magnetic tape is supplied (hereinafter referred to as the supply side reel) and a reel on a side for taking up the magnetic tape supplied (fed) from the supply side reel (hereinafter referred to as the take-up side reel).

20 However, in a case where the remaining amount of the magnetic tape is calculated in this manner, there is a problem that the calculation result contains an error corresponding to variations in thickness of magnetic tapes, so an accurate remaining amount cannot be detected.

25 For example, if there are variations of 10% in tape